Submittal Review	VAPA Dialysis Renovation			Page 1 of 1	
Submittal Number:	059	Date Recd:	4/24/2014		
Specifications Sections:	08 14 00 Doors				
Subcontractor: Submittal Type:	BK Mill & Fixture Product Data/Other - Shop Drawings				
Description:	Wood Doors				
✓ 1. Reviewed/No Excep	otions Taken (UON)				
2. Make Corrections N	loted (Resubmittal Not Required)				
Provide Door Finish sar specified.	nple for review to match existing and				
3. Revise as Noted an	d Resubmit				
4. Incomplete Submit	tal, Submit Missing Information				
5. Rejected, Resubmit	as Specified				
6. Retained for A/E/Ov	vner Record Only, without A/E Review				

Other Comments

										**							
		D D													۰	3	
																9	d
																1	
5	200		A	DOORS SHOOKS	0£T		ASA	ĿΜ	ΛIE	0-7 X 0-8	ВН	9LWH	OFFICE	X		СОКК	IN-071
	800		A	DOORS SHOOLS	0£T		ASA	ΕM	ΛIE	0-7 × 0-4	нл	91MH	EQUIP	X		СОКК	1N-981
	600		8	DOORS SHOOD	0£T		ASA	ΕM	ΛIE	3-0 X 7-0	ВН	91MH	WEDS	X		COPY	124-N1
	200		8	DOORS SHOOLS	0£T		ASA	LΜ	ΛIE	0-7 X 0-8	КH	9LWH	LEFFOMS	Х		COPY	122-N1
	110		A	DOORS SHOOLS	0£T		ASA	ΕM	ΛIΕ	0-7 X 0-8	RHR	91MH	СОКК		X	TOILET	IN-411
	110		A	MATCH EXISTING 8800RS	0£T		ASA	ΕM	ΛIE	0-7 X 0-8	RHR	9LMH	СОКК		X	TOILET	IN-801
	200	(10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 	A	DOORS SHOOLS	0£T		ASA	ΕM	ΛΙΕ	0-7 X 0-8	ВН	91MH	OFFICES	X		совв	IN-901
	110		A	DOORS SHOOKS	08T		ASA	ΕM	ΛIE	0-7 X 0-8	Η٦	91MH	TOILET	X		LOCKERS	102-N3
	110		A	MATCH EXISTING SAOORS	0£T		ASA	ΕM	ΛIE	0-7 X 0-8	ВНВ	91MH	LOCKERS		Х	ADA TOIL	102-N2
	Z 00		A	MATCH EXISTING 8A00RS	T30		ASA	ΕM	ΛIE	0-7 X 0-8	RH	91MH	FOCKERS	X		сови	1N-201
NOTES		Σ	T DO		ANC	LAI	STRIKE TYPE	WELD OR KD	FRAME DEPTH	OPENING	SWINGS	SERIES & GAUGE		б	from		ARCH. NO
Ballore	HDWE. GROUPS	LABEL	DOOR TYPES	SPECIES &	ANCHOR	LABEL	PE E	D OR	HTC	AMAL	VGS	ES &	иоіт	CV.	ו דס	NAJ9	NO



ARCHITECTURAL DOORS

Specifications

DESCRIPTION STANDARDS

and WIC 20. industry standards - A.W. I. 1300, WDMA, exceed current All doors meet or

FACES

plastic laminates and high-pressure species, medium available hardwood Masonite, hardboard, density overlay, All commercially

PREFITTING

sizes as specified. May be prefit to net

MACHINING

hardware as specified machined for May be factory

WARRANTY

specific coverages. Brothers Warranty for original installation. Up to life of the See full Haley

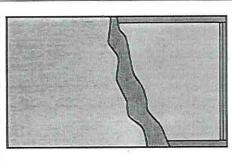
before trimming. All dimensions are

of Georgia-Pacific Corporation. "Firestop" is a product

high-gloss painted doors not recommended for or plastic laminate. Staved lumber core is

APC-1

and Oak faces. only with thin veneered Birch Architectural door. Available Haley's entry level



Maximum Size

4'0" x 8'0"

Door Thickness

1%" and 1%"

Stilles

Laminated hardwood available 114" Softwood bonded to core

Rails/Lock Blocks

11/4" wood bonded to core. Larger rails available.

available requirements of ANSI A208 and CS236-66. Lumber core also Particle board. Meets or exceeds

Adhesives

Type 2. Type 1 available.

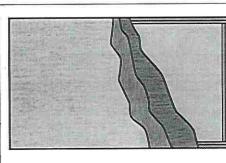
Vision Panels & Louvers

exceed 40% of door area or 50% of door height, must be a Fire rating limitations may also apply for 20 minute doors. minimum of 5" from door edge Total area of openings not to

Fire Rating

APC-2

grade for total door entry applications. Superior Designated for heavy usage in schools, hospitals, public buildings and other corridor performance.



Maximum Size

4'0" x 10'0"

Door Thickness

1%", 1%" up to 2%"

11/1" laminated hardwood bonded to core. Softwood available.

Rails/Lock Blocks

Larger rails available. 11/1" wood bonded to core

requirements of ANSI A208 and available. CS236-66. Lumber core also Particle board. Meets or exceeds

Adhesives

Type 2. Type 1 available.

Vision Panels & Louvers

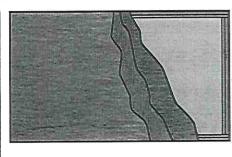
Fire rating limitations may also apply for 20 minute doors. 50% of door height, must be a minimum of 5" from door edge. exceed 40% of door area or Total area of openings not to

Hire Rating

20 minute rating available.
Positive Pressure label available

APC-3

Haley's premium 7-ply door.
Designed to meet AWI 1300
and WIC Section 20 specifications.



Maximum Size

4'0" x 10'0"

Door Thickness

1%", 1%" up to 2%

Silles

bonded to core 1%" laminated hardwood

Rails/Lock Blocks

Larger rails available. 114" wood bonded to core

requirements of ANSI A208 and CS236-66. Lumber core also Particle board. Meets or exceed available.

Adhesives

Type 2. Type 1 available.

Vision Panels & Louvers

Total area of openings not to exceed 40% of door area or 50% of door height, must be a minimum of 5" from door edge. Fire rating limitations may also apply for 20 minute doors.

Fire Rating

20 minute rating available.
Positive Pressure label available



NOTE: Mir is 6" on fire detailing g			Elevation A	
NOTE: Minimum distance from edge of glass or louver cutout to edge of door or cutout for lock mortise is 6" on fire rated label doors and on non-label doors. Please keep lock locations in mind when detailing glass or louver openings or label and warranty may be voided.	Elevation		Elevation	
edge of glass or louve d on non-label doors. s or label and warran	(<u>k.)</u>		Elevation	
r cutout to edge of do Please keep lock loc ty may be voided.	Elevation		Elevation B	State of the state
or or cutout for lock ations in mind when		1	Elevation	
mortise	Elevation		Elevation	

Submittal Review	VAPA Dialysis Renovation		Page 1 of 1	
Submittal Number:	060	Date Recd: 4/24/2014		
Specifications Sections:	08 71 00, Door Hardware			
Subcontractor:	BK Mills & Fixture			
Submittal Type:	Product Data/Other - Shop Drawings			
Description:	Door Hardware			
✓ 1. Reviewed/No Excep	otions Taken (UON)			
2. Make Corrections N	Noted (Resubmittal Not Required)			
3. Revise as Noted an	d Resubmit			
4. Incomplete Submit	tal, Submit Missing Information			
5. Rejected, Resubmit	t as Specified			
6. Retained for A/E/Ov	wner Record Only, without A/E Review			

Other Comments

	1 EA	1 EA	1EA		1EA	1EA	1EA	1 EA	3 EA		1 EA		G II	1 !	3EA	3 EA	3 EA		E D	9 EA -		3 EA S			+) O
	POWER SUPPLY	POWER TRANSFER	STOP		SEAL	CLOSER	CYL	LOCK	HINGES		SGL DR# 124-N1	HARDWARE GROUP 003		DB BOTTOMS	STOPS	SEALS	CYLS		LOCKS	HINGES		SGL DR# 106-N1,122-N1,140-N1		HARDWARE GROOT GOV		
	PS 902	EPT- 10		1211	S 88 T	4040 RW/PA	1E SFIC	L 9080 J EU 03A	HT FBB 168 4 ½ X 4 ½ NRF					411 ARL	1211	S 88 T	Ī	1E SEIC	L 9050 J 03A	HT FBB 179 4 ½ X 4 ½ NRP						Description
_	GZ	CBV	689	626	IAN	000	0000	636	630	SA SA S				628	020	3	TAN	626	630	652						
			-																							
-							-																			
												1+														
	-	VOV	VOV	-	코	PEM	LCN	BES	SCH	STA					PEN	코	PEM	0	DILO	SCH	STA		y T			

1 EA STOP	1 EA SEAL	1 EA CLOSER	1 EA CYLI	1 EA LOCK	3 EA HINGES	_	1 EA SGL	HARL	1 EA STOP	1 EA DR B	1 EA SEAL	1 EA CLOSER	1 EA CYLINDER	1 EA LOCKSET	3 EA HINGES	1 EA SGL		HARD	aty.
v		SER	CYLINDER		ES		SGL DR# 136-N1	HARDWARE GROUP 008		DR BOTTOM		SER	NDER	(SET	ES	SGL DR # 102-N1		HARDWARE GROUP 007	
 1211	S 88 T	4040 RW/PA	1E SFIC	L9070 J 03A	HT FBB 199 4 ½ X 4 ½ NRP				1211	411 ARL	S 88 T	4040 RW/PA	1E SFIC	L9080 J 03A	HT FBB 199 4 ½ X 4 ½ NRP				Description
626	TAN	689	626	630	626				626	628	TAN	689	626	630	626				Finish
		t.																	Size
																			I hk.
														3					Door
																	2		Jmb
																			nano
됬	PEM	CS	BES	SCH	STA		**		TRI	PEM	PEM	CCN	BES	SCH	STA				WIIT.



			1							T	Т		T		Т		ı	
				(4					0	4 EA	4 EA	4 EA	4 EA	12 EA		4 EA		Qty.
					=				STONE THRESHOLDS	DR BOTTOMS	SEALS	CYLS	LOCKS	HINGES		SGL DR# 102-N2,102-N3,108-N1	HARDWARE GROUP 011	
		4							BY OTHERS	411 ARL	S 88 T	1E SFIC	L 9496 J 03A OVERRIDE KEY	HT FBB 199 4 ½ X 4 ½ NRP		114-N1		Description
	*:				3					628	TAN	626	630	626				Finish
							A.		÷									Size
									-				0					Thk.
																		Door
																		Jmb
															-			Hand
										PEM	PEM	BES	SCH	STA				Mfr.





5 KNUCKLE FULL MORTISE HINGES

Standard Weight Ball Bearing

FBB179 - (ANSI A8112) Steel - polished and plated or phosphated and prime coated for painting FBB191 - (ANSI A2112) Brass or bronze - polished and plated or painted FBB191 (32) - (ANSI A5112) Stainless steel - highly polished FBB191 (32D) - (ANSI A5112) Stainless steel - satin finish

- For medium weight doors of average frequency
- All hinges have template screw hole location for use on either wood or hollow metal doors and frames
- Equipped with two Stanley permanently lubricated non-detachable ball bearings
- Pins in non-ferrous hinges are stainless steel
- Hole in bottom tip for easy pin removal
- Reversible flush tips and pins
- Hinges can be furnished as follows:

with raised barrel (RB)

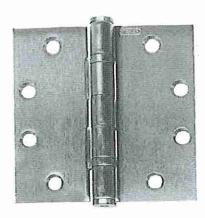
with electric wires and/or switches (CE and/or CS)

with hospital tips (HT)

with decorative tips

with security studs

with non-removable pins (NRP)



			1	Flat Head	Coroue	Quantity	Quantity		Case W	leight	
Size	Open	Gau of M		The second secon	Piece	Per Box	Per Case	Bro	The same of the sa	123	eel
Inches	(mm)	Inches	(mm)	Machine	Wood			Lbs.	(Kg)	Lbs.	(Kg)
31/2 X 3	(89 x 76)	.123	(3.1)	6 - 10-24 x ½	6-10 x 1	3 EA.	90 EA.	58	(26)	54	(24)
Section security	(89 x 89)	.123	(3.1)	6 - 10-24 x 1/2	6-10 x 1	3 EA.	90 EA.	65	(29)	59	(27)
31/2 x 31/2	**************************************	.130	(3.3)	8 - 12-24 x ½	8 -12 x 11/4	3 EA.	48 EA.	43	(19)	39	(18)
4 x 3 ¹ / ₂	(102 x 89)	.130	(3.3)	8 - 12-24 x ½	8 -12 x 11/4	3 EA.	48 EA.	45	(20)	42	(19)
4 x 4	(102 x 102)	DESCRIPTION OF		8 - 12-24 x ½	8 -12 x 1 ¹ / ₄	3 EA.	48 EA.	55	(25)	52	(24)
41/2 X 4	(114 x 102)	.134	(3.4)	8 - 12-24 x ½	8 -12 x 11/4	3 EA.	48 EA.	59	(27)	55	(25)
41/2 x 41/2	(114 x 114)	.134	(3.4)	그리다 그렇게 없었다고하다.	4 -12 x 11/4	3 EA.	30 EA.	41	(19)	39	(18)
5 x 4	(127 x 102)	.146	(3.7)	8 - 12-24 x ½	4-12 x 11/4	3 EA.	30 EA.	45	(20)	43	(19)
5 x 4½	(127 x 114)	.146	(3.7)	8 - 12-24 x ½		3 EA.	30 EA.	50	(23)	46	(21)
5 x 5	(127 x 127)	.146	(3.7)	8 - 12-24 x ¹ / ₂	4 -12 x 1 ¹ / ₄		24 EA.	43	(19)	36	(16)
6 x 41/2	(152 x 114)	.160	(4.1)	10 -1/4-20 X 1/2	5 -14 x 1 ¹ / ₂	3 EA.	500 400	47	, ,	40	(18)
*6 x 5	(152 x 127)	.160	(4.1)	10 -1/4-20 x 1/2	5 -14 x 11/2	3 EA.	24 EA.		(21)		450
*6 x 6	(152 x 152)	.160	(4.1)	10 -1/4-20 X 1/2	5 -14 x 11/2	3 EA.	24 EA.	67	(30)	61	(28)

^{*} Available in Steel only

Consult factory for other sizes not listed





5 KNUCKLE FULL MORTISE HINGES

Heavy Weight Ball Bearing

FBB168 – (ANSI A8111) Steel – polished and plated or phosphated and prime coated for painting FBB199 – (ANSI A2111) Brass or bronze – polished and plated or painted FBB199 (32) – (ANSI A5111) Stainless steel – highly polished FBB199 (32D) – (ANSI A5111) Stainless steel – satin finish

- For use on heavy doors or doors where high frequency is expected such as entrance doors to office buildings, stores, public buildings and corridor entrance doors to offices
- · All hinges have template screw hole location for use on either wood or hollow metal doors and frames
- Equipped with four Stanley permanently lubricated non-detachable ball bearings
- · Pins in non-ferrous hinges are stainless steel
- · Hole in bottom tip for easy pin removal
- · Reversible flush tips and pins
- · Hinges can be furnished as follows:

with raised barrel (RB)

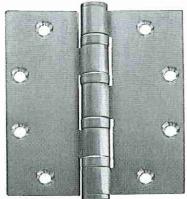
with electric wires and/or switches (CE and/or CS)

with hospital tips (HT)

with decorative tips

with security studs

with non-removable pins (NRP)



Cin	. Occo	Gau	ine	Flat Hear	d Screws	Quantity	Quantity	-	Case W	leight	
Size Open		of M		Per F		Per Box	Per Case	Bron	ze	St	teel
Inches	(mm)	Inches	(mm)	Machine	Wood			Lbs.	(Kg)	Lbs.	(Kg)
41/2 x 41/2	(114 x 114)	.180	(4.6)	8 - 12-24 x 1/2	8 -12 x 11/4	3 EA.	30 EA.	45	(21)	42	(19)
5 x 4 ¹ / ₂	(127 x 114)	.190	(4.8)	8 - 12-24 x 1/2	8 -12 x 11/2	3 EA.	24 EA.	46	(21)	40	(18)
5 x 5	(127 x 127)	.190	(4.8)	8 - 12-24 x 1/2	8 -12 x 11/2	3 EA.	24 EA.	50	(23)	46	(21)
6 x 4 ¹ / ₂	(152 x 114)	.203	(5.2)	10 - 1/4-20 x 1/2	10 -14 x 1½	3 EA.	24 EA.	63	(29)	53	(24)
6 x 5	(152 x 127)	.203	(5.2)	10 - 1/4-20 x 1/2	10 -14 x 1½	3 EA.	24 EA.	65	(30)	55	(25)
6 x 6	(152 x 152)	.203	(5.2)	10 - 1/4-20 x 1/2	10 -14 x 11/2	3 EA.	24 EA.	76	(35)	61	(28)
8 x 6*	(203 x 152)	.203	(5.2)	16 - 1/4-20 x 1/2	16 -14 x 11/2	3 EA.	12 EA.	57	(26)	51	(23)
8 x 8*	(203 x 203)	.203	(5.2)	16 - 1/4-20 x 1/2	16 -14 x 11/2	3 EA.	12 EA.	68	(31)	61	(28)

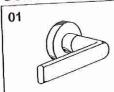
^{*}Available in Steel only

Consult factory for other sizes not listed





Cast or Forged Lever Designs with Wrought Roses



Available in:

Artisan Series

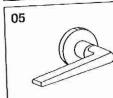
(See Non-Standard Finishes for: 605, 606, 609, 610 & 629)



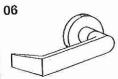
See Non-Standard Finishes for: 605, 606, 609, 610 & 629)



See Non-Standard Finishes for: 609, 610, 611 & 616)



(See Non-Standard Finishes for: 605, 606, 609, 610 & 629)



See Non-Standard Finishes for: 609, 610, 611 & 616)

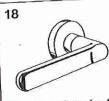
613 619

(See Non-Standard Finishes for: 609, 610, 611 & 616)





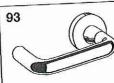
(See Non-Standard Finishes for: 609, 610, 611 & 616)



See Non-Standard Finishes for: 605, 606, 609, 610 & 629)



Bent Extruded Bar Lever



& 611)

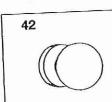
(See Non-Standard Finishes for: 609, 610, 611 & 616)

Artisan Series 613 619

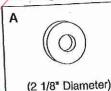
Wrought Knob Designs



Available in: Artisan Series



Wrought Rose Designs



L-8



(2 9/16" Diameter)

Commercial Price Book 67 Effective March 1, 2005

Mortise Locks—Keyed

ANSI SCHLAGE

L9050 F04



Office and Inner Entry Lock Latchbolt retracted by knob/lever from either side unless outside is made inoperative by key outside or by turning inside thumbturn. When outside is locked, latchbolt is retracted by key outside or by knob/lever inside. Outside knob/lever remains locked until thumbturn is returned to vertical or unlocked by key. Auxiliary latch deadlocks latchbolt when door is closed.

L9056



L9050 With Simultaneous Retraction Latchbolt retracted by knob/lever from either side unless outside is made inoperative by key outside or by rotating inside thumbturn. Outside knob/lever unlocked by key outside, thumbturn, or closing door. Rotating inside knob/lever simultaneously retracts latchbolt and unlocks outside knob/lever. Auxiliary latch deadlocks latchbolt when door is closed. (Previously XL11-776)

F09 L9060



Apartment Entrance Lock Latchbolt retracted by knob/lever from either side unless outside is locked by key from inside. When locked, latchbolt retracted by key outside or knob/lever inside. Auxiliary latch deadlocks latchbolt when door is closed.

L9070 F05



Classroom Lock

Latchbolt retracted by knob/lever from either side unless outside is locked by key. Unlocked from outside by key. Inside knob/lever always free for immediate exit. Auxiliary latch deadlocks latchbolt when door is closed. Mortise Locks-Keyed

SCHLAGE ANSI

L9071



Classroom Security Lock

Latchbolt retracted by knob/lever from either side unless outside is locked by key from either side. When locked, latchbolt retracted by key outside or knob/lever inside. Auxiliary latch deadlocks latchbolt when door is locked.

F06 L9076



Classroom Holdback Lock

Latchbolt retracted by knob/lever from either side unless outside is locked by key. When locked, latchbolt retracted by key outside or knob/lever inside. Auxiliary latch deadlocks latchbolt when door is closed. Depress inside knob/lever and turn key 360° for holdback feature.

L9077



Classroom Security Holdback Lock Latchbolt retracted by knob/lever from either side unless outside is locked by

key from either side. When locked, latchbolt retracted by key outside or knob/lever inside. Auxiliary latch deadlocks latchbolt when door is locked. Depress inside knob/lever and turn key 360° for holdback feature.

F07 L9080



Storeroom Lock

Latchbolt retracted by key outside or by knob/lever inside. Outside knob/lever always inoperative. Auxiliary latch deadlocks latchbolt when door is closed.

L9080EL



Electrically Locked (Fail Safe)

Outside knob/lever continuously locked by 24V AC or DC. Latchbolt retracted by key outside or by knob/lever inside. Switch or power failure allows outside knob/lever to retract latchbolt. Auxiliary latch deadlocks latchbolt when door is closed. Inside knob/lever always free for immediate exit.

L9080EU



Electrically Unlocked (Fail Secure) Outside knob/lever unlocked by 24V AC or DC. Latchbolt retracted by key outside or knob/lever inside. Auxiliary latch deadlocks latchbolt when door is closed. Inside knob/lever always free for immediate exit.

Mortise Locks-Keyed

SCHLAGE ANSI

L9480



Storeroom Lock With Deadbolt
Latchbolt retracted by key outside or by
lever or knob inside. Outside knob/lever
always fixed. Deadbolt thrown or
retracted by key outside or thumbturn
inside. Turning inside knob/lever
simultaneously retracts both deadbolt
and latchbolt. Auxiliary latch deadlocks
latchbolt when door is closed.
(Previously XL11-591)

L9485



Hotel Lock

Latchbolt retracted by key outside or by knob/lever inside. Outside knob/lever always fixed. Deadbolt thrown or retracted by inside thumbturn. When deadbolt is thrown, all keys become inoperative except emergency or display keys. Turning inside knob/lever retracts both deadbolt and latchbolt simultaneously. Auxiliary latch deadlocks latchbolt when door is closed.

L9486



F15

Hotel Lock w/ "Do Not Disturb" Indicator

Latchbolt retracted by key outside or by knob/lever inside. Outside knob/lever always fixed. Deadbolt thrown or retracted by inside thumbturn. When deadbolt is thrown, "DO NOT DISTURB" plate is displayed. All keys become inoperative except emergency or display keys. Turning inside knob/lever retracts both deadbolt and latchbolt simultaneously. Auxiliary latch deadlocks latchbolt when door is closed.

Mortise Locks-Keyed

SCHLAGE ANSI

L9486



L9486 With "OCCUPIED" Indicator
Latchbolt retracted by key outside or by
knob/lever inside. Outside knob/lever
always fixed. Deadbolt thrown or retracted
by inside thumbturn. When deadbolt is
thrown, "OCCUPIED" plate is displayed
and all keys become inoperative except
emergency keys. Turning inside knob/lever
simultaneously-retracts both deadbolt and
latchbolt. Auxiliary latch-deadlocks latchbolt
when door is closed. Specify per L583-375.
(Previously XL11-580)

L9496



Privacy With "OCCUPIED" Indicator

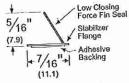
Knob/lever retracts latchbolt from either side. Deadbolt thrown or retracted by key outside (retraction by key required in the event of an emergency) or inside thumbturn. Throwing deadbolt locks outside knob/lever and displays "OCCUPIED" plate. Rotating inside knob/lever simultaneously retracts both deadbolt and latchbolt and unlocks outside knob/lever. (Previously XL11-885)

■ SiliconSeal™ Adhesive-Backed Fire/Smoke Gasketing .

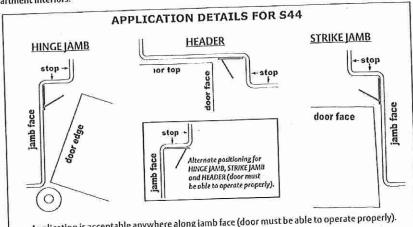
- SiliconSeal™ is extruded from high-temperature silicone; effective between -58°F
- Self-extinguishing and non-toxic. Unaffected by sunlight, ozone and ultraviolet rays.
- Impervious to fungus and mildew; will not deteriorate under normal exposure.
- Meets FAR 25.853 Airworthiness Standards for Compartment Interiors.
- Smoke tested in accordance with UBC 7-2 and UL 1784-01; meets the requirements of NFPA 105 'Standard for the Installation of Smoke Door Assemblies and Other Opening Protectives".
- S44, S77 and S88 are air infiltration tested in accordance with ASTM E-283-04. Air infiltration is only .09 CFM / ft of crack.



AVAILABLE FINISHES: BL, D, W AVAILABLE LENGTHS: 17', 18', 20', 21', 25', 510'



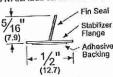
- Designed for tighter frames.
- Demonstrates extremely low closing force.
- Seal begins compressing at 5/16*; compresses to seal up to a 1/16" gap.



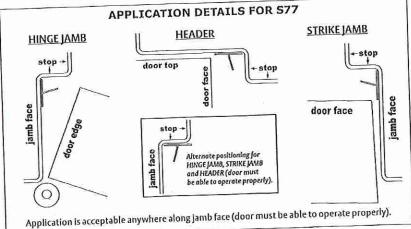
Application is acceptable anywhere along jamb face (door must be able to operate properly).



AVAILABLE FINISHES: C, D, W AVAILABLE LENGTHS: 17', 18', 20', 21', 25'



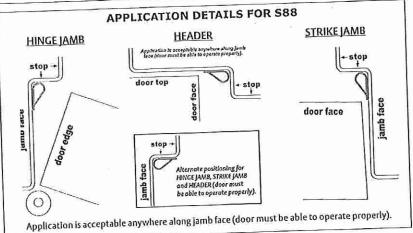
- Designed for hollow metal and wood meeting stile applications.
- Seal begins compressing at 5/16'; compresses to seal up to a 1/16' gap.





Seal begins compressing at 1/4"; com presses to seal up to a 1/16" gap.

(12.7)

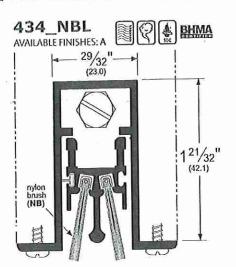


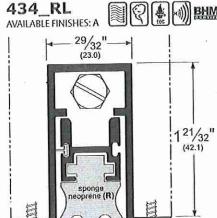
AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

BL(Black) • C(Clear) • D(Dark Brown) • GR(Light Gray) • TAN (Tan) • W (White)

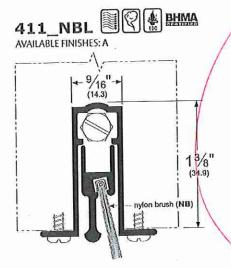
ADHESIVE GASKETING

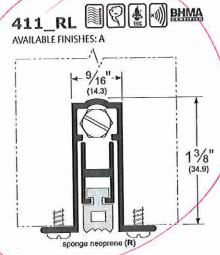
Automatic Door Bottoms - Non-Handed Full-Mortise Models



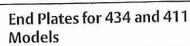




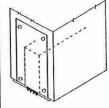




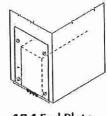




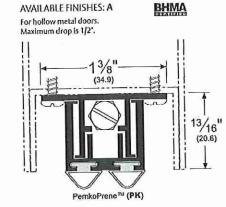
 Aluminum end plates are provided with all 434 and 411 models to protect the mechanism and to give a clean aesthetic appearance.







434 End Plate Screws included





AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

420 PKL

A (MIII Finish Aluminum)



STOPS AND RISERS



TRIMCO#	1211
R	.22"
В	1-1/2"
Н	1.43"
M	CAST
BHMA	L02141/L02161

Br, Bz, Pl

Universal Dome Stop -See 1211 Brochure.



1215CKU
1.5"
3/16"
2.5"

Br, Bz, Pl

Universal Stop -Supplied with Torx Screws upon request at extra charge. See 1215CKU Brochure.



TRIMCO#	W1211CL	W1211CH
OA	1 x 2-1/16"	1 x 2-1/16"
R	5/8"	5/8"
	Riser for	Riser for
	W1210	W1212
- D	Al	

Carpet Riser -Specify Stop Finish.



TRIMCO#	1211CH	1211CL
R	3/4 ^B	1/2"
Carpet Ris		Al
Specify St	op Finish.	



1214 shown

TRIMCO#	1214	1214H	1214CK
В	1-3/4 x 2-1/2"	1-3/4 x 2-1/2"	1-3/4 x 2-1/2"
H	1-3/4"	2-1/4"	2-1/4"
			Supplied with
			Torx Screws

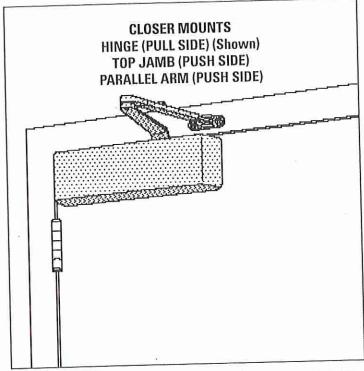
BHMA LO2121

Br, Bz, Pl

Door Stop- Cast - Heavy Duty. (3 fasteners)

1214CK is a heavy duty, high-abuse, school design which reduces tampering and loss of rubber bumper when mounted to 1268CK. (requires 3" diameter cored hole in concrete).

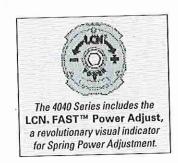


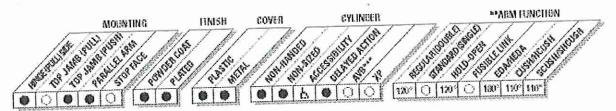


- Standard 4040 series closer shipped with regular arm, standard plastic clip-on cover, and self reaming and tapping screws. See 4040 Series pages 45-47 for options.
- Non-sized cylinder is adjustable for interior doors to 5'0" and exterior doors to 4'0".
- Closer mounts hinge side, top jamb, and parallel arm w/PA Shoe on either right or left swinging doors.
- ► Closers to meet ADA requirements. See 4040 Series page 48.
- Standard or optional custom powder coat finish.
- Optional plated finish on cover, arm, and fasteners.
- Optional SRI primer for installations in corrosive conditions.
- UL and cUL listed for self-closing doors without hold-open.
- Tested and certified under ANSI Standard A156.4, grade one.

The 4040 SUPER SMOOTHEE® is LCN's most flexible heavy duty closer designed for institutional and other rugged high traffic applications.

- ► Ten Million Cycles
- ► Cast Iron
- ► Forged Steel Arm
- Double Heat Treated Steel
 Pinion
- All Weather Fluid
- Non-Handed
- ► LCN_® Fast[™] Power Adjust
- ► Fast & Accurate Installation
- ▶ UL & cUL Listed
- ► For XP See Page 40

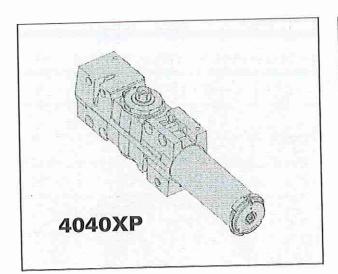




- AvailableNot available
- Closer available with less than 5.0 lbs. opening force on 36" door.
- **Maximum opening/hold-open point with standard template.
- *** Advanced Variable Backcheck



LCN CLOSERS 121 W. RAILROAD AVE. P.O. BOX 100 PRINCETON, IL, USA 61356-0100 PHONE 800-526-2400 FAX 800-248-1460 / www.lcn.ingersollrand.com 3/10



- Non-sized cylinder is adjustable for interior doors to 5'0" and exterior doors to 4'0".
- Closer mounts parallel arm (EDA arm) on either right or left swinging doors.
- Optional hinge side and top jamb mount with optional regular arm.
- ► Closers to meet ADA requirements. See 4040XP Series page 49.
- Standard or optional custom powder coat finish.
- Optional plated finish on metal cover, arm and fasteners.
- Optional SRI primer for installations in corrosive conditions is available with powder coat only.
- UL and cUL listed for self-closing doors without hold-open.
- 4040XP can be used with all 4041 accessories. See pages 45-47 for options.

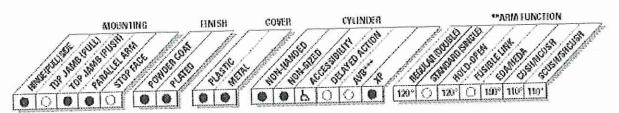
4040XP

The 4040XP is LCN's most durable heavy duty closer designed for the most demanding, high use and abuse applications.

- ▶ 44% increased bearing load capacity
- ► Strongest pinion ever- at 3/4" journal diameter
- ► Widest bearing ever- at 5/8"
- ► Stronger pinion teeth
- ► New V-shield™ seal with longer life
- ► XP = eXtra Protection in real world applications
- ► Cast Iron
- ► Forged Steel Arm
- ► Double Heat Treated Steel Pinion
- ► All Weather Fluid
- ► Non-Handed
- ► LCN® Fast™ Power Adjust
- ► Fast & Accurate Installation
- ► UL & cUL Listed
- ► Tested and certified under ANSI Standard A156.4, grade one



The 4040 Series includes the LCN. FAST™ Power Adjust, a revolutionary visual indicator for Spring Power Adjustment.



- Available

 Not available
- Closer available with less than 5.0 lbs. opening force on 36" door.
- **Maximum opening/hold-open point with standard template.
- *** Advanced Variable Backcheck

LCN CLOSERS 121 W. RAILROAD AVE. P.O. BOX 100 PRINCETON, IL, USA 61356-0100 PHONE 800-526-2400 FAX 800-248-1460 www.lcn.ingersollrand.com 3/10

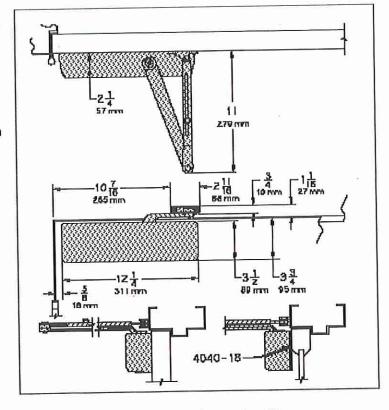


HINGE (PULL) SIDE MOUNTING

MAXIMUM OPENING

Templating allows up to 120°.

Hold-open points 90° up to 120° with hold-open arm.



- ▶ Butt Hinges should not exceed 5" (127 mm) in width.
- Auxiliary Stop is recommended at hold-open point or where a door cannot swing beyond 120°.
- ▶ Reveal should not exceed 3/4" (19 mm) for regular arm or hold-open arm.
- ► Top Rail less than 3 3/4" (95 mm) requires PLATE, 4040-18. Plate requires 2" (51 mm) minimum.
- Clearance of 2 3/8" (60 mm) behind door required for 90° installation.
- ▶ Delayed Action (not available on 4040XP) Add suffix "DEL" to selected cylinder (eg. 4041 DEL). Delays closing from 120° to 70°. Delay time adjustable up to approximately 1 minute.

Options

- ▶ 4040XP cylinder
- 4041 Delayed action cylinder.
- Hold-open arm.
- Metal cover.

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN for assistance.



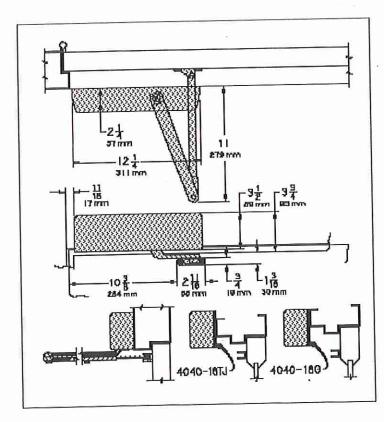


TOP JAMB (PUSH SIDE) MOUNTING

MAXIMUM OPENING

Templating allows up to 120°.

Hold-open points 85° up to 120° with hold-open arm.



- Butt Hinges should not exceed 5" (127 mm) in width.
- Auxiliary Stop is recommended at hold-open point or where the door cannot swing 120°.
- ▶ Reveal of 2 9/16" (65 mm) allows 120° opening for REGULAR ARM or standard HOLD-OPEN ARM. 4 13/16" (122 mm) allows up to 120° opening with LONG ARM where standard rod and shoe is replaced with optional LONG ROD AND SHOE 4040-79LR. Use H-LONG ARM with LONG HEAD AND TUBE, 4040-78HL for hold-open. 8" (203 mm) allows up to 120° opening with EXTRA LONG ARM where standard rod and shoe is replaced with optional EXTRA LONG ROD AND SHOE, 4040-79ELR.
- Top Rail requires 1 1/4" (32 mm) minimum. 2 1/4" (57 mm) minimum with closer on PLATE, 4040-18TJ. 3" (76 mm) minimum with closer on PLATE, 4040-18G.
- ► Head Frame less than 3 1/2" (89 mm) requires PLATE, 4040-18TJ. With flush ceiling, use PLATE, 4040-18G. Either plate requires 1 3/4" (44 mm) minimum.
- ▶ Delayed Action (not available on 4040XP) Add suffix "DEL" to selected cylinder (eg. 4041 DEL). Delays closing from 120° to 80°. Delay time adjustable up to approximately 1 minute.

Options

- ► 4040XP cylinder
- 4041Delayed action cylinder.
- Long arm, extra long arm, holdopen arm, long hold-open arm.
- Metal cover.

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN for assistance.

LCN CLOSERS 121 W. RAILROAD AVE. P.O. BOX 100 PRINCETON, IL, USA 61356-0100 PHONE 800-526-2400 FAX 800-248-1460 www.lcn.ingersollrand.com 3/10



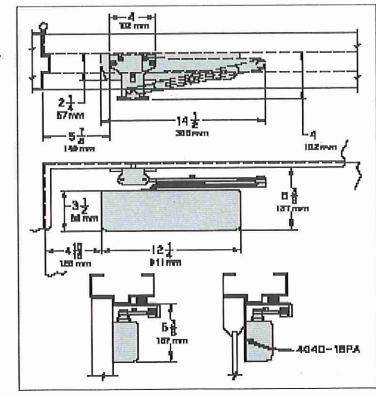
PARALLEL ARM (PUSH SIDE) MOUNTING

Optional mounting requires PA SHOE, 4040-62PA for REGULAR or HOLD-OPEN arms. Add prefix "P" to closer description (eg. P4041). P4041 closer includes 4040-201 FIFTH HOLE SPACER to support PA SHOE.

MAXIMUM OPENING

180° opening/hold-open points with all except CUSH arms.

110° opening/hold-open with CUSH arms.



- ▶ Butt Hinges should not exceed 5" (127 mm) in width.
- ► Auxiliary Stop is recommended at hold-open point, where the door cannot swing 180°, or where CUSH-N-STOP arm is not used.
- ► Clearance for 4040-62PA shoe is 4" (102 mm) from door face. EDA shoe projects 5 1/2" (140 mm) from door face. CUSH shoe projects 6" (152 mm) from door face.
- ► Top Rail less than 5 3/8" (137 mm) measured from the stop requires PLATE, 4040-18PA. Plate requires 2" (51 mm) minimum from the stop.
- ► Head Frame flush or rabetted requires PA SHOE ADAPTER, 4040-419.
- ► Stop Width minimum 1" (25 mm).
- ► Blade Stop clearance requires 1/2" (13mm) BLADE STOP SPACER, 4040-61.
- Delayed Action (not available on 4040XP) Add suffix "DEL" to selected cylinder (eg. P4041 DEL). Delays time adjustable up to approximately 1 minute.

Options

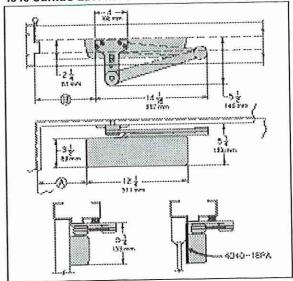
- ▶ 4040XP cylinder
- ► 4041Delayed action cylinder.
- Hold-open, EDA, HEDA,
 CUSH, HCUSH, SPRING
 CUSH, or SPRING HCUSH arm.
- Metal cover.

Special Templates

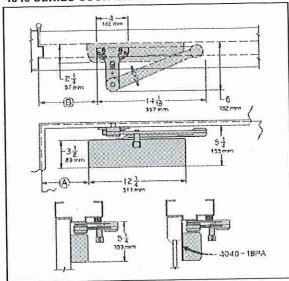
Customized installation templates or products may be available to solve unusual applications. Contact LCN for assistance.



4040 SERIES EDA MOUNT



4040 SERIES CUSH MOUNT



- ► Clearance for 4040-62EDA is 5 1/2" (140 mm) from door face. 6" (152 mm) for CUSH.
- ► Head Frame flush or rabetted requires CUSH FLUSH PANEL ADAPTER, 4040-419.
- ► CUSH ARM requires SHOE SUPPORT, 4040-30 for fifth screw anchorage for narrow frames.
- ► Delayed Action (not available on 4040XP) Add suffix "DEL" to selected cylinder (eg. 4041 DEL). Delays closing from maximum opening to; 115° with 180° template.

95° with 110° template. 85° with 100° template.

75° with 90° template.

Delay time adjustable up to approximately 1 minute.

LCN 4040 SERIES

Mounting details are the same as 4040 Series REGULAR or HOLD-OPEN except as listed below. 4040 Series closers ordered with EDA or CUSH arms include 4040-201 FIFTH HOLE SPACER to support the shoe.

MAXIMUM OPENING

EDA arm can be templated for points at: 110°,

- (A) = 63/8" (162 mm)
- (B)=73/4" (197 mm)

or 180°.

- (A) = 27/8" (73 mm)
- (B) = 4 1/4" (108 mm)

Hold-open points up to maximum opening with HEDA arm.

CUSH arms can be templated for opening/hold-open point at: 85°,

- (A) = 7 15/16" (202 mm)
- (B) = 9 1/8" (232 mm)

90°.

- (A) = 7 3/16" (183 mm)
- (B) = 8 1/2" (216 mm)

100°.

- (A) = 6 1/16" (154 mm)
- $(B) = 7 \frac{1}{4}$ " (184 mm)

or 110°.

- A= 5 1/16" (129 mm)
- (B)=63/8" (162 mm)

Spring Cush dead stop points are approximately 5° more than templated stop point. Hold open at templated stop points.



CYLINDERS

CYLINDER, 4041-3071

Standard, non-handed cast iron cylinder assembly.

CYLINDER, 4040XP-3071

Heavy duty, non-handed cast iron cylinder assembly.

COVERS

COVER, 4040-72

Standard, non-handed plastic clip-on cover.

METAL COVER, 4040-72MC

Optional, handed cover. Required for plated finishes and custom powder coat finishes.

ARMS

REGULAR ARM, 4040-3077

Non-handed arm mounts pull side or top jamb with shallow reveal. P4041 closer includes PA SHOE, 4040-62PA required for parallel arm mounting.

PA SHOE, 4040-62PA

Required for parallel arm mounting.

LONG ARM, 4040-3077L

Optional non-handed arm includes LONG ROD AND SHOE, 4040-79LR for top jamb mount.

EXTRA LONG ARM, 4040-3077ELR

Optional non-handed arm includes EXTRA LONG ROD AND SHOE, 4040-79ELR for top jamb mount with deep reveal.

HOLD-OPEN ARM, 4040-3049

Optional, non-handed arm mounts pull side or top jamb with shallow reveal, hold-open adjustable shoe. P4041 closer includes 4040-62PA shoe required for parallel arm mounting.

LONG HOLD-OPEN ARM, 4040-3049L

Optional non-handed arm includes LONG HEAD AND TUBE, 4040-3048L for top jamb mount.

EXTRA DUTY ARM, 4040-3077EDA

Non-handed parallel arm features forged, solid steel main and forearm for potentially abusive installations.

HOLD-OPEN EXTRA DUTY ARM, 4040-3049EDA

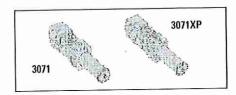
Optional handed arm provides hold-open function, adjustable at the shoe.

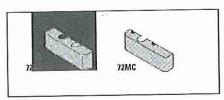
EDA ARM w/THICK HUB SHOE, 4040-3077EDAG

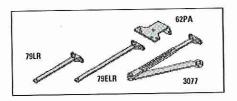
Optional for blade stop clearance, requires special templating.

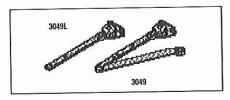
HEDA ARM w/THICK HUB SHOE, 4040-3049EDAG

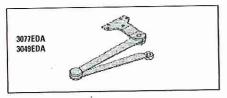
Optional for blade stop clearance, requires special templating.

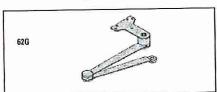














ARMS cont.

CUSH-N-STOP® ARM, 4040-3077CNS

Optional, non-handed parallel arm features solid forged steel main arm and forearm with stop in soffit shoe.

HCUSH ARM, 4040-3049CNS

Provides hold-open function with templated stop/hold-open points. Handle controls hold-open function.

SPRING CUSH ARM, 4040-3077SCNS

Optional, non-handed parallel arm for abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe.

SPRING HCUSH ARM, 4040-3049SCNS

Optional, non-handed parallel arm for abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe. Handle controls hold-open function.

INSTALLATION ACCESSORIES

PLATE, 4040-18

Required for hinge side mount where top rail is less than 3 3/4" (95 mm). Plate requires minimum 2" (51 mm) minimum top

PLATE, 4040-18G

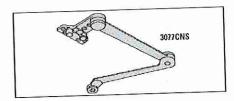
Locates top jamb mounted closer flush with top of head frame face in flush ceiling condition. Plate requires 1 3/4" (44 mm) minimum head frame.

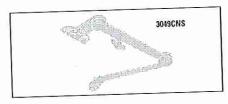
PLATE, 4040-18TJ

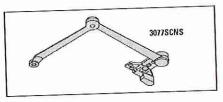
Centers top jamb mounted closer vertically on head frame where face is less than 3 1/2" (89 mm). Plate requires 1 3/4" (44 mm) minimum head frame.

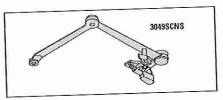
PLATE, 4040-18PA

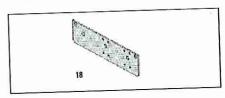
Required for parallel arm mounting where top rail is less than 5 1/2" (140 mm), measured from the stop. Plate requires 2" (51 mm) minimum top rail.

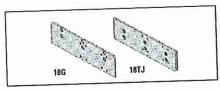


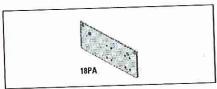














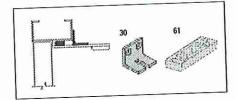
INSTALLATION ACCESSORIES cont.

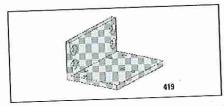
CUSH SHOE SUPPORT, 4040-30 provides anchorage for fifth screw used with CUSH arms, where reveal is less than 3 1/16" (78 mm).

BLADE STOP SPACER, 4040-61 required to lower parallel arm shoe to clear 1/2" (13 mm) blade stop.

PA FLUSH PANEL ADAPTER, 4040-419 provides horizontal mounting surface for PA or CUSH shoe on single rabetted or flush frame.

AUXILIARY SHOE, 4040-62A requires a top rail of 7" (178 mm). Optional shoe replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop.





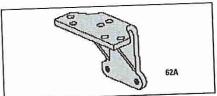






TABLE OF SIZES

4041 cylinders are adjustable from size 1 through size 6 and is shipped set to size 3

Closing power of 4040 series closers may be adjusted 50%.

Indicates recommended range of door width for closer size.

EXTERIOR (and VESTIBULE) DOOR WIDTH

2 610	N. III	and the second	100	12" 48" 7mm1219mm	
41	size 3	size 4	size 5	size 6	
****	mum				

INTERIOR DOOR WIDTH

24 610n		34" 38' 864mm 965n	State Committee	SERVICE STREET	60" m 1524 mm
	size 2	size 3	size 4	size 5	size 6
4041 Minii	mum	* Adjustable	Size 1 thru 6		
Do Wid					

REDUCED OPENING FORCE 4040 SERIES CLOSERS

CAUTION! Any manual door closer, including those certified by BHMA to conform to ANSI Standard A156.4, that is selected, installed and adjusted based on ADA or other reduced opening force requirements may not provide sufficient power to reliably close and latch a door.

Refer to POWER OPERATORS section for information on systems that meet reduced opening force requirements without effecting closing power.

	DOOR WIDTH	36"	42"	48"
E	8.5* lbs.	4041	4041	4041
J	5.0* lbs.	4041	4041	4041

^{*} Maximum opening force

HOW-TO-ORDER 4041 SERIES CLOSERS

	CT FINISH. dard Powder Coat	
	THE PARTY OF THE CASE OF THE PARTY OF THE PA	
	ninum, Dark Bronze , Statuary,	
Ligh	t Bronze, Black, Brass.	
Clos	er will be shipped with:	
	NDARD CLIP-ON COVER,	
- HE	GULAR ARM, F-REAMING and TAPPING SCREWS,	
- SEI	ess options listed below are selected.	
CLOS	ER OPTIONS	
CYLIN		
□ Dela	yed Action (DEL)	
COVE		
	al (specify right or left hand) (MC)	
FINISH		
	om Powder Coat (RAL)	
(nan	ded metal cover required)	
Li Plat	ed Finish, US ded metal cover required)	
ARM	printer	
□ Ren	ular w/62PA (Rw/PA)	
□ Reg	ular w/62A (R/62A)	
□ Lon	(LONG)	
□ Extr	a Long (XLONG)	
□ Hol	d-Open (H)	
☐ Hol	d-Open w/62PA (Hw/PA)	
☐ Lon	g Hold-Open (HLONG)	
□ ED/	(optional -62G)	
☐ HE	A (specify right or left hand, optional-62G)
	h-N-Stop (CUSH)	
	ish-N-Stop (HCUSH)	
□ Sbi	ing Cush (SCUSH) ing HCush (SHCUSH)	
OPTIO	INAL SCREW PACKS	
	w/Self-Reaming and Tapping (TBSRT)	
□Wo	od & Machine Screw (WMS)	
□ TB	, Wood & Machine Screw (TBWMS)	
	RX Machine Screw (TORX)	
	* & TORX Machine Screw (TBTRX)	
* S	pecify door thickness if other than 1 3/4".	
INST	ALLATION ACCESSORIES	
	te, 4040-18	
	te, 4040-18TJ	
	te, 4040-18G	
	te, 4040-18PA	
	SH Shoe Support, 4040-30	
☐ RIS	de Stop Spacer, 4040-61	
□ AU	xiliary Shoe, 4040-62A Flush Panel Adapter, 4040-419	
	HAL TEMPLATE	
	14 100 4 001111 00111	



□ ST- ___

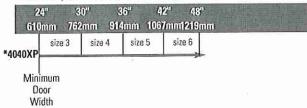
TABLE OF SIZES

4040XP cylinders are adjustable from size 1 through size 6 and is shipped set to size 3.

Closing power of 4040 series closers may be adjusted 50%.

Indicates recommended range of door width for closer size.

EXTERIOR (and VESTIBULE) DOOR WIDTH



INTERIOR DOOR WIDTH

24) 610m		34" 38" 34mm 965m		" 54" mm 1372 m	60" nı 1524 mm
040XP	size 2	size 3	size 4	size 5	size 6
Minin	num	* Adjustable S	Size 1 thru 6		
Doo Wid					

REDUCED OPENING FORCE 4040 SERIES CLOSERS

CAUTION! Any manual door closer, including those certified by BHMA to conform to ANSI Standard A156.4, that is selected, installed and adjusted based on ADA or other reduced opening force requirements may not provide sufficient power to reliably close and latch a door.

Refer to POWER OPERATORS section for information on systems that meet reduced opening force requirements without effecting closing power.

	DOOR WIDTH	36"	42"	48"
8	8.5* lbs.	4041	4041	4041
	5.0* lbs.	4041	4041	4041

^{*} Maximum opening force

LCN 4040 SERIES

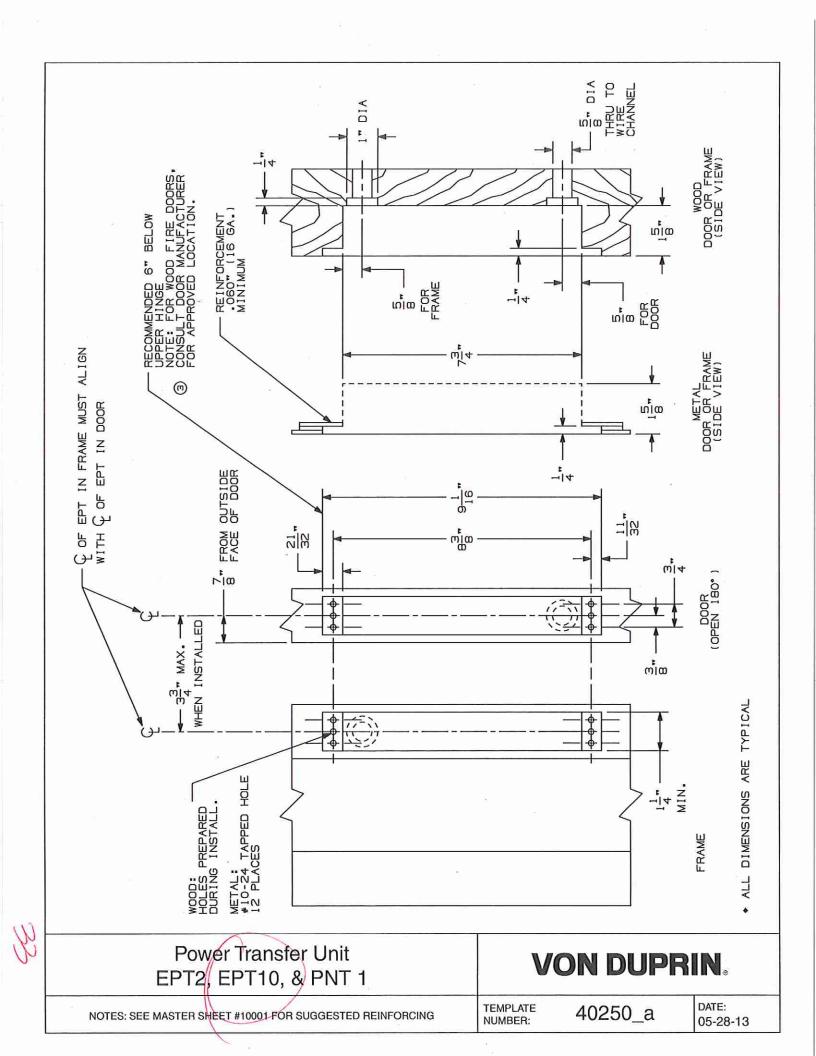
HOW-TO-ORDER 4040XP SERIES CLOSERS

1. SELECT FINISH.

☐ Standard Powder Coat	
Aluminum, Dark Bronze, Statuary,	
Light Bronze, Black, Brass.	
Closer will be shipped with:	
- STANDARD CLIP-ON COVER,	
- SPECIFY ARM WHEN ORDERING,	
- SELF-REAMING and TAPPING SCREW	
unless options listed below are select	ed.
CLOSER OPTIONS	
COVER Metal (specify right or left hand) (MC)	
FINISH	
☐ Custom Powder Coat (RAL)	
(handed metal cover required)	
☐ Plated Finish, US	
(handed metal cover required)	
□ SRI primer	
ARM	
☐ Regular (Rw)	
☐ Regular w/62PA (Rw/PA)	
☐ Regular w/62A (R/62A)	
☐ Long (LONG)	
☐ Extra Long (XLONG)	
☐ Hold-Open (H)	
☐ Hold-Open w/62PA (Hw/PA)	
Long Hold-Open (HLONG)	
☐ EDA (-62G) ☐ HEDA (specify right or left hand, option	nol 62G
☐ Cush-N-Stop (CUSH)	101-020
☐ HCush-N-Stop (HCUSH)	
☐ Spring Cush (SCUSH)	
☐ Spring HCush (SHCUSH)	
OPTIONAL SCREW PACKS	
☐ TB* w/Self-Reaming and Tapping (TBS	RT)
☐ Wood & Machine Screw (WMS)	
☐ TB*, Wood & Machine Screw (TBWM)	3)
☐ TORX Machine Screw (TORX)	
☐ TB* & TORX Machine Screw (TBTRX)	
* Specify door thickness if other than 1	3/4".
INSTALLATION ACCESSORIES	
☐ Plate, 4040-18	2
☐ Plate, 4040-18TJ ☐ Plate, 4040-18G	
☐ Plate, 4040-18PA	
☐ CUSH Shoe Support, 4040-30	
☐ Blade Stop Spacer, 4040-61	
☐ Auxiliary Shoe, 4040-62A	
☐ PA Flush Panel Adapter, 4040-419	
SPECIAL TEMPLATE	
□ ST-	







PS902 2 amp Power Supply

Overview

Schlage's comprehensive line of power supplies and option boards were designed to address the changing needs of the access control market.

Installation is simplified by utilizing a flat mounting design and polarized locking connectors for option boards. This new design eliminates the need for racks and side connectors. The flat mounting of the option boards also provides for easier access to the terminal blocks for connection of electrified devices (such as electrified strikes, electromagnetic locks, card readers, etc).

Common to the line of PS900 Series power supplies is a constant output rating at both 12v and 24v settings, universal 120 VAC to 240 VAC input, and polarized option board connectors. New fire alarm interface board mounting allows outputs to be configured as switched (power cut) or unswitched (power continues) when signal provided.

* All PS900 Series of power supplies and option boards have been tested and certified to meet UL 294.

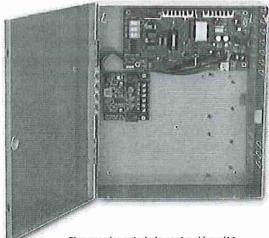


Photo as shown includes optional board(s)
Please contact your local sales office or visit the support
section on our website for configuration assistance.

Features and Benefits

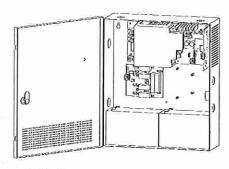
- · 2A @ 12/24 VDC output, field selectable with jumper
- · Class 2 Rated power limited output
- · Universal 120 -240 VAC input
- · Low voltage DC, regulated and filtered
- · Single polarized connector for distribution board
- · Fused primary input
- AC input and DC output monitoring circuit w/ LED indicators
- · Cover mounted AC input indication
- · Hinged cover w/ lock down screws
- High voltage protective cover





OPTIONS

- · Emergency Interface/Fire Alarm Relay (FA)
- · Key lock available for added security (KL)
- · Battery Backup
- · 2 relay QEL panic device control board
- · 4 relay distribution board
- · 4 relay distribution board with logic
 - Field configurable for:
 - · Time delay function
 - Auto operator
 - Security interlock
- · 8 fused output distribution board
- · 8 PTC output distribution board



PS902

Specification	Description	
Input Voltage	120/240 VAC, 50/60 Hz, universal input	
Output Voltage	2A @ 12 or 24 VDC Field selectable with jumper Switching supply, 5% regulation, 240mVpp max ripple	
Enclosure	Grey / Baked enamel 14"H x 12"W x 4"D Eight 1/2" x 3/4" Knockouts NEMA Grade 1 Hinged cover with lock down screws	
Operating Temperature	32°-120° F (0°-49° C)	
Certifications	UL 294 Class 2 RoHS FCC Part 15	
Option Board Compatibility	900-BB: Battery Backup 900-BAT: Backup Battery Pack 900-BBK: Battery Backup Kit (backup board and battery pack) 900-FA: Fire Alarm 900-2RS*: 2 Relay EL Panic Device Control Board 900-4R*: 4 Relay Output Board 900-4RL*: 4 Relay Logic Board 900-BF*: Fused 8 Zone Distribution Board 900-BP*: PTC 8 Zone Distribution Board	
AC Primary Fuse Size	3.15A, 250v, 5 x 20mm SLOW-BLOW	
Battery Fuse Size	7.5A 32v ATO blade style	
DC Output Protection	Overload protection - current limited foldback circuit	
Indicators	LED indicators: -AC input (visible on outside of enclosure) -DC output Isolated SPDT contacts to monitor AC power status	
Weight (Power Supply)	Approx. 9.0 lbs	
Weight (Each Battery)	4.0 lbs	
AC Input Termination	3 position terminal block with protective cover Wire capacity: 10 AWG max.	
DC Output Termination	2 position terminal block Wire capacity: 12 AWG max.	
Distribution board connectors		
Fire Alarm board connector	. Yes	
Keylock	Optional	

^{*} Optional distribution boards available with or without FA (Fire Alarm Relay)





